

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1. (currently amended) A kit comprising a means for detecting allele 1 or allele 2 of the -511 marker of IL-1B and one or more alleles selected from the group consisting of: allele 4 of the 222/223 marker of IL-1A, allele 4 of the gz5/gz6 marker of IL-1A, allele 1 of the -889 marker of IL-1A, allele 1 of the +3954 marker of IL-1B, ~~allele 2 of the -511 marker of IL-1B,~~ allele 3 of the gaat.p33330 marker, allele 3 of the Y31 marker, allele 2 of +2018 of IL-1RN, allele 1 of +4845 of IL-1A, allele 3 of the 222/223 marker of IL-1A, allele 3 of the gz5/gz6 marker of IL-1A, allele 2 of the -889 marker of IL-1A, allele 2 of the +3954 marker of IL-1B, ~~allele 1 of the -511 marker of IL-1B,~~ allele 4 of the gaat.p33330 marker, allele 6 of the Y31 marker, allele 1 of +2018 of IL-1RN, and allele 2 of +4845 of IL-1A, and allele 1 of the VNTR marker of IL-1RN.
2. (canceled)
3. (currently amended) The kit of claim 1 ~~or 2~~, wherein said ~~detecting~~ means is used in a allele detection technique is selected from the group consisting of:
 - a) allele specific oligonucleotide hybridization;
 - b) size analysis;
 - c) sequencing;
 - d) hybridization;
 - e) 5' nuclease digestion;
 - f) single-stranded conformation polymorphism;
 - g) allele specific hybridization;
 - h) primer specific extension; and
 - j) oligonucleotide ligation assay.
4. (canceled)

5. (currently amended) A kit comprising [[an]] a first isolated nucleic acid molecule which hybridizes to allele 1 or allele 2 of the -511 marker of IL-1B and one or more additional isolated nucleic acid molecules which hybridize to an allele selected from the group consisting of: allele 2 of 1731 IL-RN, allele 2 of 1812 IL-1RN, allele 2 of 1868 IL-1RN, allele 2 of 1887 IL-1RN, allele 2 of 8006 IL-1RN, allele 2 of 8061 IL-1RN, allele 2 of 9589 IL-1RN, allele 4 of the 222/223 marker of IL-1A, allele 4 of the gz5/gz6 marker of IL-1A, allele 1 of the -889 marker of IL-1A, allele 1 of the +3954 marker of IL-1B, ~~allele 2 of the -511 marker of IL-1B~~, allele 3 of the gaat.p33330 marker, allele 3 of the Y31 marker, allele 2 of +2018 of IL-1RN, allele 1 of +4845 of IL-1A, allele 3 of the 222/223 marker of IL-1A, allele 3 of the gz5/gz6 marker of IL-1A, allele 2 of the -889 marker of IL-1A, allele 2 of the +3954 marker of IL-1B, allele 1 of the -511 marker of IL-1B, allele 4 of the gaat.p33330 marker, allele 6 of the Y31 marker, allele 1 of +2018 of IL-1RN, and allele 2 of +4845 of IL-1A, ~~allele 2 of the VNTR marker of IL-1RN, and allele 1 of the VNTR marker of IL-1RN.~~

6-16. (canceled)

17. (currently amended) The kit of claim 5, wherein said first isolated nucleic acid molecule hybridizes to ~~the nucleotide corresponding to~~ allele 2 of the -511 marker of IL-1B or allele 1 of the -511 marker of IL-1B.

18-22. (canceled)

23. (new) The kit of claim 1, wherein the means is selected from the group consisting of: allele 2 of 1731 IL-RN, allele 2 of 1812 IL-1RN, allele 2 of 1868 IL-1RN, allele 2 of 1887 IL-1RN, allele 2 of 8006 IL-1RN, allele 2 of 8061 IL-1RN, allele 2 of 9589 IL-1RN, allele 4 of the 222/223 marker of IL-1A, allele 4 of the gz5/gz6 marker of IL-1A, allele 1 of the -889 marker of IL-1A, allele 1 of the +3954 marker of IL-1B, allele 2 of the -511 marker of IL-1B, allele 3 of the gaat.p33330 marker, allele 3 of the Y31 marker, allele 2 of +2018 of IL-1RN, allele 1 of +4845 of IL-1A, allele 3 of the 222/223 marker of IL-1A, allele 3 of the gz5/gz6 marker of IL-1A, allele 2 of the -889 marker of IL-1A, allele 2 of the +3954 marker of IL-1B, allele 1 of the -511 marker of IL-1B, allele 4 of the gaat.p33330 marker, allele 6 of the Y31 marker, allele 1 of +2018 of IL-1RN, allele 2 of +4845 of IL-1A, allele 2 of the VNTR marker of

IL-1RN, and allele 1 of the VNTR marker of IL-1RN; a restriction enzyme, a mass spectrometer, a nucleic acid sequencing means, cleavage agents, electrophoretic means, a polyacrylamide gel, and a labeled probe.

24. (new) The kit of claim 1, wherein the kit further comprises a means for detecting allele 1 of the VNTR marker of IL-1RN or a means for detecting allele 2 of the VNTR marker of IL-1RN.

25. (new) The kit of claim 5, wherein the kit further comprises an isolated nucleic acid molecule which hybridizes to allele 1 of the VNTR marker of IL-1RN or an isolated nucleic acid molecule which hybridizes to allele 2 of the VNTR marker of IL-1RN.